

firm with aromatic flesh flavor. Fruit size is larger than 50mm, no scab. Spur type tree.

- PI 600536. *Malus sieversii* (Ledeb.) M. Roem.**  
Wild. Kaz 95 10-05L; GMAL 3647. Collected 08/31/1995 in Kazakhstan. Latitude 47 deg. 15' 52'' N. Longitude 81 deg. 35' 5'' E. Elevation 1000 m. Semipalitinisk Region (Tarbagatai Mountain Range). 20 km. North of Urdzhar, 3-4 km. Northeast of Alekseyevka. Collected in West and South Valley. Slope incline: 10 degrees. Aspect: South. Dominant tree sp.: *M. sieversii*. Dominant shrub sp.: *Amygdalus*; Associated-Rosa. Dominant herbaceous: *Aster*; Assoc.-*Xanthium*. Sampled 30 fruits from 1 tree. Fruit is firm with aromatic flesh flavor. Over color is 60% red. Fruit larger than 50mm, no scab. Hail damage. Seeds mixed with 10-06L (GMAL 3648); separated later by color & estimated number with high confidence. Heavycrop load. Spur type tree.
- PI 600537. *Malus sieversii* (Ledeb.) M. Roem.**  
Wild. Kaz 95 10-06L; GMAL 3648. Collected 08/31/1995 in Kazakhstan. Latitude 47 deg. 15' 52'' N. Longitude 81 deg. 35' 5'' E. Elevation 1000 m. Semipalitinisk Region (Tarbagatai Mountain Range). 20 km. North of Urdzhar, 3-4 km. Northeast of Alekseyevka. Collected in West and South Valley. Slope incline: 10 degrees. Aspect: South. Dominant tree sp.: *M. sieversii*. Dominant shrub sp.: *Amygdalus*; Associated-Rosa. Dominant herbaceous: *Aster*; Assoc.-*Xanthium*. Sampled 15 fruits from 1 tree. Fruit is hard, no scab. Seeds may have been mixed with GMAL 3647. Spur type tree.
- PI 600538. *Malus sieversii* (Ledeb.) M. Roem.**  
Wild. Kaz 95 10-07L; GMAL 3649. Collected 08/31/1995 in Kazakhstan. Latitude 47 deg. 15' 52'' N. Longitude 81 deg. 35' 5'' E. Elevation 1000 m. Semipalitinisk Region (Tarbagatai Mountain Range). 20 km. North of Urdzhar, 3-4 km. Northeast of Alekseyevka. Collected in West and South Valley. Slope incline: 10 degrees. Aspect: South. Dominant tree sp.: *M. sieversii*. Dominant shrub sp.: *Amygdalus*; Associated-Rosa. Dominant herbaceous: *Aster*; Assoc.-*Xanthium*. Sampled 30 fruits from 1 tree. Fruit is firm with aromatic flesh flavor, juicy. No scab present. Hail damage. Fruit larger than 50mm. Very free of disease. Spur type tree.
- PI 600539. *Malus sieversii* (Ledeb.) M. Roem.**  
Wild. Kaz 95 11-02; GMAL 3650. Collected 09/03/1995 in Kazakhstan. Latitude 45 deg. 23' 21'' N. Longitude 80 deg. 24' 51'' E. Elevation 1640 m. Topolevka village. 15 km. East of Topolevka - Djungarsky Range. 3 km. Southeast of Topolevka Forestry Camp. Elevation: 1500-1690 m. Slope incline: 30 degrees. Aspect: Southwest. Dominant tree sp.: *M. sieversii*; Associated-Betula, Crataegus, Padus, Sorbus. Dominant shrub sp.: *Berberis*; Assoc.-Cotoneaster, Rubus. Dominant herbaceous: *Fragaria*; Assoc.-*Dianthus*. Sampled 150 fruits from 1 tree. Two trees - cloned of each other together. Tree dwarfed by high elevation. Scab on fruit.
- PI 600540. *Malus sieversii* (Ledeb.) M. Roem.**  
Wild. Kaz 95 11-03; GMAL 3651. Collected 09/03/1995 in Kazakhstan. Latitude 45 deg. 23' 21'' N. Longitude 80 deg. 24' 51'' E. Elevation 1610 m. Topolevka village. 15 km. East of Topolevka - Djungarsky Range. 3 km. Southeast of Topolevka Forestry Camp. Elevation: 1500-1690 m. Slope incline: 40 degrees. Aspect: Northeast. Dominant tree sp.: *M.*